

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 June 2005 (23.06.2005)

PCT

(10) International Publication Number
WO 2005/055921 A3

(51) International Patent Classification⁷: **A61K 9/00**,
9/12, 31/495

(21) International Application Number:
PCT/IL2004/001122

(22) International Filing Date:
12 December 2004 (12.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/530,014 12 December 2003 (12.12.2003) US
60/587,510 14 July 2004 (14.07.2004) US

(71) Applicant and

(72) Inventor: **EILAT, Eran** [IL/IL]; 1 Oley Bavel Street,
IL-Herzliya 46344 (IL).

(74) Agent: **WEBB, Cynthia**; Webb & Associates, P.O. Box
2189, 76121_Rehovot (IL).

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report*
- *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments*

(88) Date of publication of the international search report:
18 August 2005

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: COMPOSITIONS FOR TREATMENT OF EAR DISORDERS AND METHODS OF USE THEREOF

(57) Abstract: The present invention relates to compositions and methods useful for the treatment of ear disorders, administered to a treated ear in the form of a foam or a mousse. Administering a medicament in such forms will increase the residence time of the medicament in the ear canal, provide relatively uniform distribution of the composition, and can increase the penetration of the active pharmaceutical ingredient in the affected area, may release active substances slowly, enhance treatment effectiveness, increase compliance and is more convenient to use than currently available ear medications. The administration in the form of a foam or a mousse may preferably be provided as a metered dose, of a volume suitable to fill the ear canal.



WO 2005/055921 A3